Alu Quad Par 64
(18 x 8W RGBW/RGBA)

User Manual

Order code: ELUM113

WARNING

FOR YOUR OWN SAFETY, PLEASE READ THIS USER MANUAL CAREFULLY BEFORE YOUR INITIAL START-UP!

- Before your initial start-up, please make sure that there is no damage caused during transportation.
- Should there be any damage, consult your dealer and do not use the equipment.
- To maintain the equipment in good working condition and to ensure safe operation, it is necessary for the user to follow the safety instructions and warning notes written in this manual.
- Please note that damages caused by user modifications to this equipment are not subject to warranty.

CAUTION!
KEEP THIS EQUIPMENT AWAY FROM RAIN, MOISTURE AND LIQUIDS

CAUTION!
TAKE CARE USING THIS EQUIPMENT!
HIGH VOLTAGE-RISK OF ELECTRIC SHOCK!!

IMPORTANT:

The manufacturer will not accept liability for any resulting damages caused by the non-observance of this manual or any unauthorised modification to the equipment.

- Never let the power cable come into contact with other cables. Handle the power cable and all mains voltage connections with particular caution!
- Never remove warning or informative labels from the unit.
- Do not open the equipment and do not modify the unit.
- Do not connect this equipment to a dimmer pack.
- Do not switch the equipment on and off in short intervals, as this will reduce the system's life.
- Only use the equipment indoors.
- Do not expose to flammable sources, liquids or gases.
- Always disconnect the power from the mains when equipment is not in use or before cleaning! Only handle the power-cable by the plug. Never pull out the plug by pulling the power-cable.
- Make sure that the available voltage is between 100~240V, 50/60Hz.
- Make sure that the power cable is never crimped or damaged. Check the equipment and the power cable periodically.
- If the equipment is dropped or damaged, disconnect the mains power supply immediately and have a qualified engineer inspect the equipment before operating again.
- If the equipment has been exposed to drastic temperature fluctuation (e.g. after transportation), do not connect power or switch it on immediately. The arising condensation might damage the equipment. Leave the equipment switched off until it has reached room temperature.
- If your product fails to function correctly, stop use immediately. Pack the unit securely (preferably in the original packing material), and return it to your Pro Light dealer for service.
- Only use fuses of same type and rating.
- Repairs, servicing and power connection must only be carried out by a qualified technician. THIS UNIT CONTAINS NO USER SERVICEABLE PARTS.
- WARRANTY: One year from date of purchase.

OPERATING DETERMINATIONS

If this equipment is operated in any other way, than those described in this manual, the product may suffer damage and the warranty becomes void. Incorrect operation may lead to danger e.g: short-circuit, burns and electric shocks etc.

Do not endanger your own safety and the safety of others!

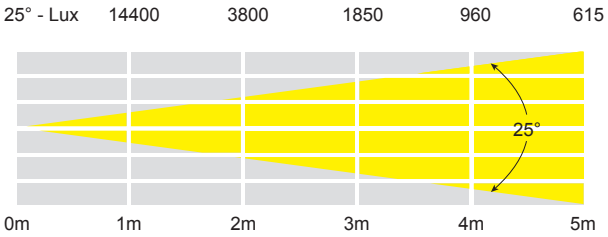
Incorrect installation or use can cause serious damage to people and/or property.

Alu Quad Par 64

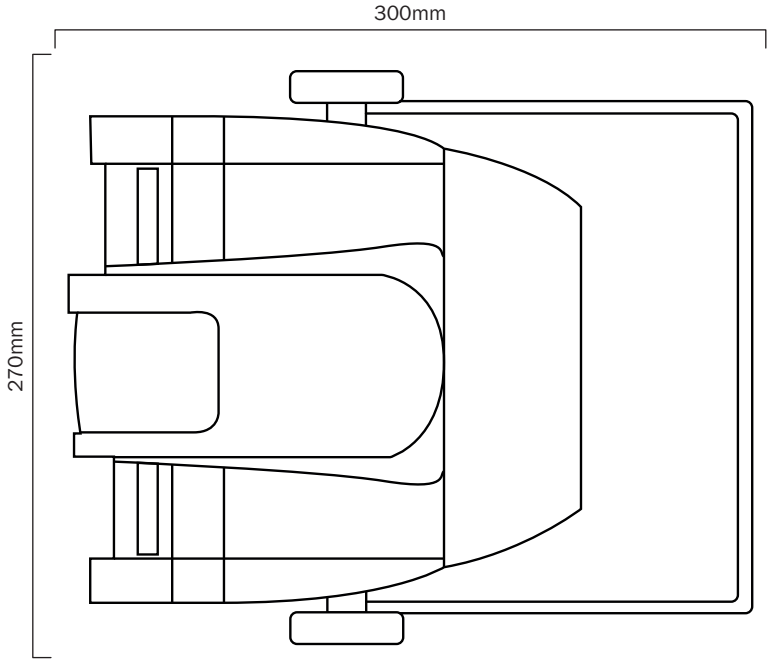
The Alu Quad features 18 x 8W quad-colour LEDs (12 x RGBW, 6 x RGBA), since each individual LED incorporates a RGBW or RGBA chip behind a single lens, shadows and unevenness within the field are things of the past.

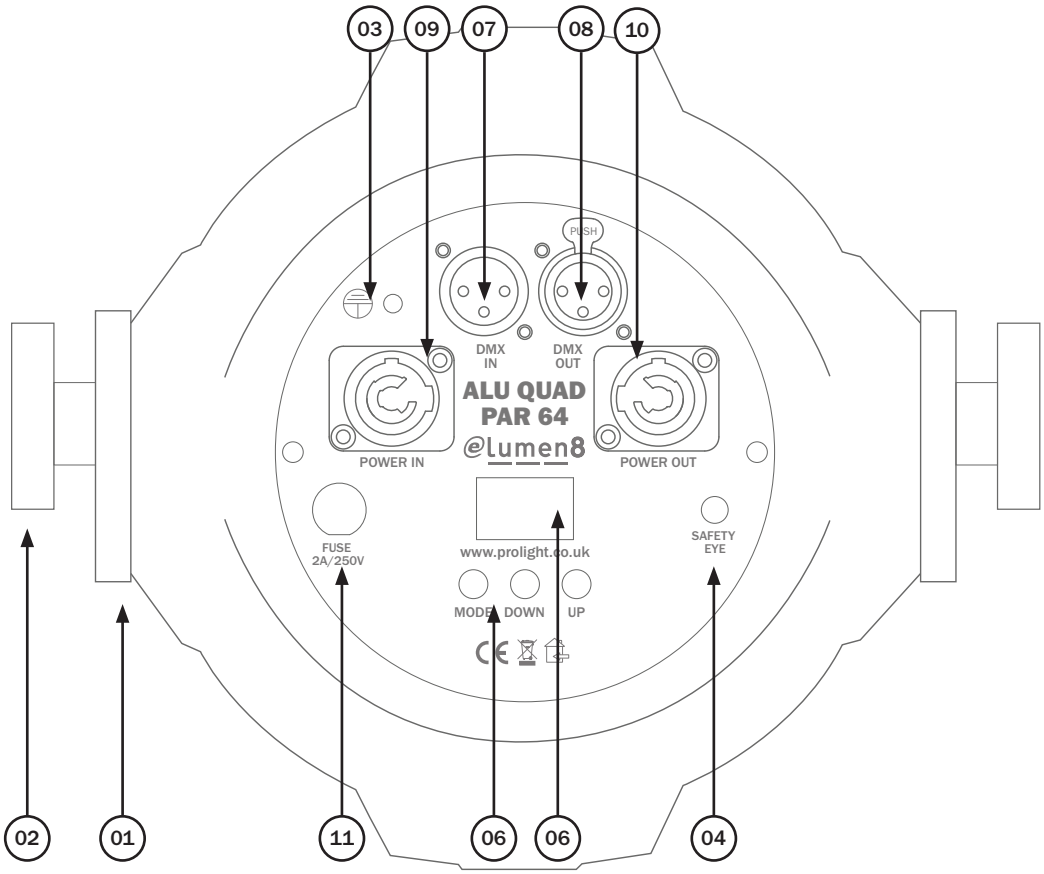
Housed inside the rugged cast aluminium chassis is an advanced LED control panel giving the ability to run built-in programs and perform full RGBW/RGBA colour mixing with or without DMX control.

- 2 year warranty
- 18 x 8W quad-colour LEDs (12 x RGBW + 6 x RGBA)
- Beam angle: 25°
- 400Hz refresh rate
- DMX channels: 3/5/7 or 8 selectable
- Static colour, colour change, colour fade, auto, sound active and master/slave modes
- 0-100% dimming and variable strobe
- 3 push button menu with LED display
- 3-pin XLR in/out sockets
- PowerCON in/out sockets
- Fan cooled
- Optional Barn Doors (ELUM041C)



Specifications	Alu Quad Par 64
Power consumption	163W
Power supply	100~240V, 50/60Hz
Dimensions	300 x 270 x 222mm
Weight	4.3kg
Order code	ELUM113





01 - Bracket
02 - Bracket tightening knobs
03 - Earth point
04 - Safety eye
05 - LED display
06 - Function buttons
07 - DMX input socket
08 - DMX output socket
09 - PowerCON in socket
10 - PowerCON out socket
11 - Fuse 2A 240V

In the box: **1 x fixture, 1 x 13A powerCON mains cable & 1 x user manual**

Operating instructions

DMX channel mode:

Operating in DMX control mode gives the user the greatest flexibility when it comes to customising or creating a show. In this mode you will be able to control each individual trait of the fixture and each fixture independently.

To access the DMX channel mode, press the "**MODE**" button on the rear of the unit to show 3CH on the LED display, then use the "**UP**" and "**DOWN**" buttons to set the desired DMX address of either 3, 5, 7 or 8 DMX channel modes.

To set the units address, press the "**MODE**" button on the rear of the unit to show 001 on the LED display, then use the "**UP**" and "**DOWN**" buttons to set the desired address from 001~512.

3 channel mode:

Channel	Value	Function
1	000-007	Blackout
	008-255	30 preset static colours
2	000-255	Master dimmer 0-100%
3	001-005	Sound mode
	006-010	On
	011-255	Strobe (slow to fast)

5 channel mode:

Channel	Value	Function
1	000-255	Red (0-100%)
2	000-255	Green (0-100%)
3	000-255	Blue (0-100%)
4	000-255	Amber (0-100%)
5	000-255	White (0-100%)

7 channel mode:

Channel	Value	Function
1	000-255	Red (0-100%)
2	000-255	Green (0-100%)
3	000-255	Blue (0-100%)
4	000-255	Amber (0-100%)
5	000-255	White (0-100%)
6	000-255	Master dimmer (0-100%)
7	0	On
	001-005	Sound mode (7 colours)
	006-010	On
	011-255	Strobe (slow to fast)

8 channel mode:

Channel	Value	Function
1	000-255	Red (0-100%)
2	000-255	Green (0-100%)
3	000-255	Blue (0-100%)
4	000-255	Amber (0-100%)
5	000-255	Red (0-100%)
6	000-255	Green (0-100%)
7	000-255	Blue (0-100%)
8	000-255	White (0-100%)

Master/slave mode

To set the master unit, press the "**MODE**" button on the rear of the master unit then select your desired program. To set in slave mode, press the "**MODE**" button on the rear of the unit and set the address to show 001 on the LED display. The unit will now run in sequence with the master unit.

Sound active mode:

To access the sound active mode, press the "**MODE**" button on the rear of the unit to show S01 on the LED display. The unit will now be in sound active mode. Now use the "**UP**" and "**DOWN**" buttons to set the sound sensitivity level from S00 ~ S99 (**00 = low, 99 = high**).

Note: The higher the value the more sensitive it will be, and is set to S50 as default.

Static colour mode:

To access the static colour mode, press the "**MODE**" button to show C01 on the rear of the unit. Now use the "**UP**" and "**DOWN**" buttons to select one of the 30 static colours.

Built-in programs mode

To access the built-in programs mode, press the "**MODE**" button on the rear of the unit to show P01 on the LED display. Now use the "**UP**" and "**DOWN**" buttons to select between the 6 built-in programs.

Mode	Operation
1	5 colour change, every 3 seconds
2	30 colour change, every 3 seconds
3	5 colour fade, every 3 seconds
4	30 colour fade, every 3 seconds
5	5 colour change via sound
6	30 colour change via sound

Setting the DMX address:

The DMX mode enables the use of a universal DMX controller. Each fixture requires a “start address” from 1- 511. A fixture requiring one or more channels for control begins to read the data on the channel indicated by the start address. For example, a fixture that occupies or uses 7 channels of DMX and was addressed to start on DMX channel 100, would read data from channels: 100,101,102,103,104,105 and 106. Choose a start address so that the channels used do not overlap. E.g. the next unit in the chain starts at 107.

DMX 512:

DMX (Digital Multiplex) is a universal protocol used as a form of communication between intelligent fixtures and controllers. A DMX controller sends DMX data instructions form the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA “IN” and DATA “OUT” XLR terminals located on all DMX fixtures (most controllers only have a data “out” terminal).

DMX linking:

DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned to a DMX address of 1 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of 1, the DMX controller knows to send DATA assigned to address 1 to that unit, no matter where it is located in the DMX chain.

DATA cable (DMX cable) requirements (for DMX operation):

This fixture can be controlled via DMX-512 protocol. The DMX address is set on the back of the unit. Your unit and your DMX controller require a standard 3-pin XLR connector for data input/output, see image below.

Further DMX cables can be purchased from all good sound and lighting suppliers or Pro Light Concepts dealers.

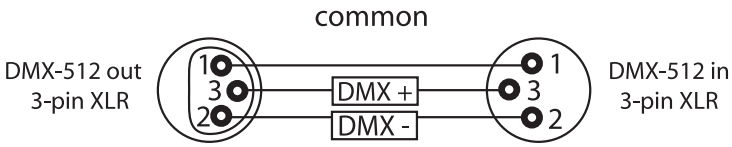
Please quote:

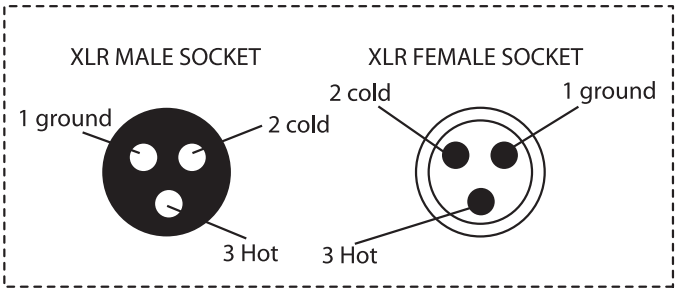
CABL10 – 2m
CABL11 – 5m
CABL12 – 10m

Note: DMX cable must be daisy chained and cannot be split.

Notice:

Be sure to follow the diagrams below when making your own cables. Do not connect the cables shield conductor to the ground lug or allow the shield conductor to come in contact with the XLRs outer casing. Grounding the shield could cause a short circuit and erratic behaviour.





XLR Pin Configuration
Pin 1 = Ground
Pin 2 = Negative
Pin 3 = Postive

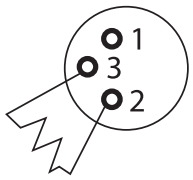
Special note:

Line termination:

When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behaviour.

Using a cable terminator will decrease the possibilities of erratic behaviour.

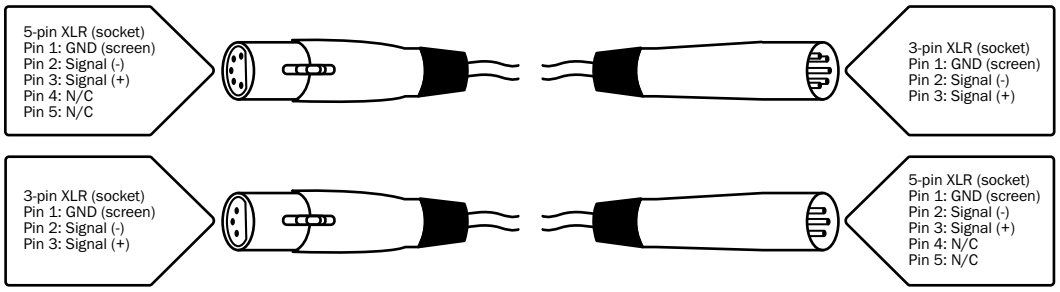
(3-pin - Order ref: CABL90, 5-pin - Order ref: CABL89)



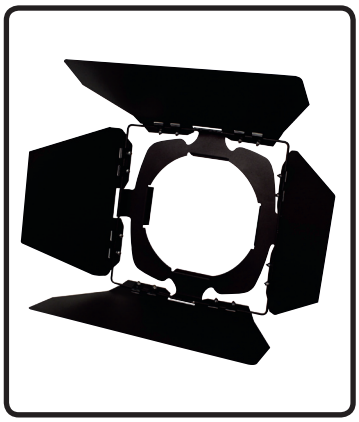
Termination reduces signal transmission problems and interference. It is always advisable to connect a DMX terminal, (resistance 120 Ohm 1/4 W) between pin 2 (DMX-) and pin 3 (DMX+) of the last fixture.

5-pin XLR DMX connectors:

Some manufactures use 5-pin XLR connectors for data transmission in place of 3-pin. 5-pin XLR fixtures may be implemented in a 3-pin XLR DMX line. When inserting standard 5-pin XLR connectors in to a 3-pin line a cable adaptor must be used. The diagram below details the correct cable conversion.



Please contact your local retailer to purchase these accessories.



Optional eLumen8 Alu Tri Barn Door
Order code: ELUM041C

Optional LEDJ Alu Par 64 Series
Floor Bracket
Order Code - LEDJ119

Optional Cases
Order codes: Twin - CASE17
Twin - CASE16

To keep up-to-date on the latest accessories and product range additions please visit **www.prolight.co.uk**

Correct Disposal of this Product (Waste Electrical & Electronic Equipment)

(Applicable in the European Union and other European countries with separate collection systems)

This marking shown on the product or its literature, indicates that it should not be disposed with other household wastes at the end of its working life. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources.

Household users should contact either the retailer where they purchased this product, or their local government office, for details of where and how they can take this item for environmentally safe recycling.

Business users should contact their supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.